



Attorney Docket No. 50317/003002 SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE 10/560,662 Serial No. Applicant Sethu et al. INFORMATION DISCLOSURE Filing Date February 15, 2007 STATEMENT BY APPLICANT (Use several sheets if necessary) Group 1743 (37 C.F.R. § 1.98(b)) **IDS Filed** October 11, 2007

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION				
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Translation (Yes/No)
	WO 2005/068503	07/28/2005	WIPO	
	WO 2005/084374	09/15/2005	WIPO	
	WO 2005/084380	09/15/2005	WIPO	
	WO 2005/085861	09/15/2005	WIPO	
	WO 2005/089253	09/29/2005	WIPO	
	WO 2005/091756	10/06/2005	WIPO	
	WO 2005/098046	10/20/2005	WIPO	
	WO 2005/108621	11/17/2005	WIPO	
	WO 2005/108963	11/17/2005	WIPO	
	WO 2005/109238	11/17/2005	WIPO	
	WO 2005/116264	12/08/2005	WIPO	
	WO 2005/121362	12/22/2005	WIPO	
	WO 2006/035846	04/06/2006	WIPO	
	WO 2006/037561	04/13/2006	WIPO	
	WO 2006/076567	07/20/2006	WIPO	
	WO 2006/078470	07/27/2006	WIPO	
	WO 2006/108087	10/12/2006	WIPO	
	WO 2006/108101	10/12/2006	WIPO	
	WO 2006/133208	12/14/2006	WIPO	
	WO 2007/035414	03/29/2007	WIPO	
	WO 2007/035498	03/29/2007	WIPO	

EXAMINER DATE CONSIDERED
--------------------------

SUBSTITUTE FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE	Attorney Docket No.	50317/003002
(MODIFIED)	PATENT AND TRADEMARK OFFICE	Serial No.	10/560,662
WEGDAN FIGURE 60 VPF		Applicant	Sethu et al.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Filing Date	February 15, 2007
		Group	1743
(37 C.F.R. § 1.98(b))		IDS Filed	October 11, 2007

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)
Adinolfi et al., "Gene Amplification to Detect Fetal Nucleated Cells in Pregnant Women," Lancet 2(8658):328-329 (1989).
Adinolfi, "On a Non-Invasive Approach to Prenatal Diagnosis Based on the Detection of Fetal Nucleated Cells in Maternal Blood Samples," <i>Prenat Diagn</i> . 11:799-804 (1991).
Al Saadi, "Cystic Hygroma Cells as Source for Prenatal Diagnosis," <i>Am J Hum Genet</i> . Supplemental to 45(4):A252-(0990); (1989).
Al-Mufti et al., "Distribution of fetal and embryonic hemoglobins in fetal erythroblasts enriched from maternal blood," <i>Haematologica</i> 86(4):357-362 (2001).
Alvarez, "Morphology and Physiopathology of the Human Placenta," <i>Obstet Gynecol</i> . 23:813-817;819-825 (1964).
Anderson et al., "Simultaneous Fluorescence-Activated Cell Sorter Analysis of Two Distinct Transcriptional Elements within a Single Cell Using Engineered Green Fluorescent Proteins," <i>Proc Natl Acad Sci USA</i> 93:8508-8511 (1996).
Archer et al., "Cell Reactions to Dielectrophoretic Manipulation," <i>Biochem Biophys Res Comm.</i> 257:687-698 (1999).
Armani et al., "Re-configurable Fluid Circuits by PDMS Elastomer Micromachining," Proc 12th International Conference on MEMS 17-21:222-227 (1999).
Associate Press "Blood Test May Erase Risk of Amniocentesis," The Worcester Telegram & Gazette A7 (Octobe 9, 1991).
Basch et al., "Cell Separation Using Positive Immunoselective Techniques," <i>J Immunol Methods</i> 56:269-280 (1983).
Bauer, "Advances in Cell Separation: Recent Developments in Counterflow Centrifugal Elutriation and Continuous Flow Cell Separation," <i>J Chromatogr B</i> 722:55-69 (1999).
Becker et al., "Fabrication of Microstructures with High Aspect Ratios and Great Structural Heights by Synchrotron Radiation Lithography, Galvanoforming, and Plastic Moulding (LIGA Process)," <i>Microelectronic Eng.</i> 4:35-56 (1986).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in co form with the next communication to applicant.	nformance and not considered. Include copy of this

SUBSTITUTE FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE	Attorney Docket No.	50317/003002
(MODIFIED)	PATENT AND TRADEMARK OFFICE	Serial No.	10/560,662
		Applicant	Sethu et al.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Filing Date	February 15, 2007
		Group	1743
(37 C.F.R. § 1.98(b))		IDS Filed	October 11, 2007

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)
Becker et al., "Planar Quartz Chips with Submicron Channels for Two-Dimensional Capillary Electrophoresis Applications," <i>J Micromech Microeng.</i> 8:24-28 (1998).
Beebe et al., "Functional Hydrogel Structures for Autonomous Flow Control Inside Microfluidic Channels," Nature 404:588-590 (2000).
Benincasa et al., "Cell Sorting by One Gravity SPLITT Fractionation," Anal Chem. 77:5294-5301 (2005).
Berenson et al., "Antigen CD34* Marrow Cells Engraft Lethally Irradiated Baboons," <i>J Clin Invest.</i> 81:951-955 (1988).
Berenson et al., "Cellular Immunoabsorption Using Monoclonal Antibodies," <i>Transplantation</i> 38:136-143 (1984).
Berenson et al., "Positive Selection of Viable Cell Populations Using Avidin-Biotin Immunoadsorption," <i>J Immunol Methods</i> 91:11-19 (1986).
Berg H.C., Random Walks in Biology, Princeton University Press: Princeton, NJ. Ch. 4, pp. 48-64 (1993).
Berger et al., "Design of a microfabricated magnetic cell separator," <i>Electrophoresis</i> 22:3883-3892 (2001).
Beroud et al., "Prenatal diagnosis of spinal muscular atrophy by genetic analysis of circulating fetal cells," <i>Lancet</i> 361:1013-1014 (2003).
Bertero et al., "Circulating 'Trophoblast' Cells in Pregnancy Have Maternal Genetic Markers," <i>Prenat Diagn</i> . 8:585-590 (1988).
Bianchi et al., "PCR Quantitation of Fetal Cells in Maternal Blood in Normal and Aneuploid Pregnancies" Am. J. Hum. Genet. 61:822-829, 1997.
Bianchi et al., "Direct Hybridization to DNA from Small Numbers of Flow-Sorted Nucleated Newborn Cells," Cytometry 8:197-202 (1987).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in co	onformance and not considered. Include copy of this

SUBSTITUTE FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE	Attorney Docket No.	50317/003002
(MODIFIED)	PATENT AND TRADEMARK OFFICE	Serial No.	10/560,662
		Applicant	Sethu et al.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	February 15, 2007
(Use several sheets if necessary)		Group	1743
(37 C.F.R. § 1.98(b))		IDS Filed	October 11, 2007

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)
Bianchi et al., "Fetal Nucleated Erythrocytes (FNRBC) in Maternal Blood: Erythroid-Specific Antibodies Improve Detection," Am J Hum Genet. Supplemental to 51:996 (1992). (Abstract)
Bianchi et al., "Isolation of Fetal DNA from Nucleated Erythrocytes in Maternal Blood," <i>Proc Natl Acad Sci USA</i> 87:3279-3283 (1990).
Bianchi et al., "Isolation of Male Fetal DNA from Nucleated Erythrocytes (NRBC) in Maternal Blood," <i>Pediatr Res.</i> 139A-(818); (1989). (Abstract)
Bianchi et al., "Possible Effect of Gestational Age on the Detection of Fetal Nucleated Erythrocytes in Maternal Blood," <i>Prenat Diagn</i> . 11:523-528 (1991).
Bianchi et al., "Demonstration of Fetal Gene Sequences in Nucleated Erythrocytes Isolated from Maternal Blood," Am. J. Hum. Genet. Supplement to 45(4):A252 (0991) (1989).
Bick et al., "Prenatal Diagnosis and Investigation of a Fetus with Chondrodysplasia Punctata, Ichthyosis and Kallmann Syndrome due to an Xp Deletion," <i>Prenat Diagn.</i> 12:19-29 (1992).
Bickers et al., "Fetomaternal Transfusion Following Trauma," Obstet Gynecol. 61:258-259 (1983).
Bigbee et al., "Monoclonal Antibodies Specific for the M- and N-Forms of Human Glycophorin A," <i>Mol Immunol</i> . 20:1353-1362 (1983).
Black et al., "Complex Mosaicism on Chorionic Sampling Confirmed Postnatally," <i>Am J Hum Genet</i> . Supplemental to 45(4):A252-(0993); (1989). (Abstract)
Bohmer et al., "Differential Development of Fetal and Adult Haemoglobin Profiles in Colony Culture: Isolation of Fetal Nucleated Red Cells by Two-Colour Fluorescence Labelling," Br J Haematol. 103:351-360 (1998).
Bousse et al., "Micromachined Multichannel Systems for the Measurement of Cellular Metabolism," Sens Actuators B Chem. 20:145-150 (1994).
Boyer et al., "Enrichment of Erythrocytes of Fetal Origin from Adult-Fetal Blood Mixtures via Selective Hemolysis of Adult Blood Cells: An Aid to Antenatal Diagnosis of Hemoglobinopathies," <i>Blood</i> 47:883-897 (1976).

EXAMINER	DATE CONSIDÉRED
EXAMINER: Initial citation considered. Draw line through citation if not in form with the next communication to applicant.	conformance and not considered. Include copy of this

SUBSTITUTE FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE	Attorney Docket No.	50317/003002
(MODIFIED)	PATENT AND TRADEMARK OFFICE	Serial No.	10/560,662
		Applicant	Sethu et al.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Filing Date	February 15, 2007
		Group	1743
(37 C.F.R. § 1.98(b))		IDS Filed	October 11, 2007

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)
Brison et al., "General Method for Cloning Amplified DNA by Differential Screening with Genomic Probes," Mol Cell Biol. 2:578-587 (1982).
Brizot et al. "Maternal serum hCG and fetal nuchal translucency thickness for the prediction of fetal trisomies in the first trimester of pregnancy," British J. Obstetrics and Gynaecology 102:127-132 (1995).
Brizot et al., "Maternal Serum Pregnancy-Associated Plasma Protein A and Fetal Nuchal Translucency Thickness for the Prediction of Fetal Trisomies in Early Pregnancy," Obstet Gynecol. 84(6):918-922 (1994).
Brody et al., "Biotechnology at Low Reynolds Numbers," <i>Biophys J.</i> 71:3430-3441 (1996).
Brody et al., "Deformation and Flow of Red Blood Cells in a Synthetic Lattice: Evidence for an Active Cytoskeleton." <i>Biophys J.</i> 68:2224–2232 (1995).
Bulmer and Johnson, "Antigen Expression by Trophoblast Populations in the Human Placenta and Their Possible Immunobiological Relevance," <i>Placenta</i> 6:127-140 (1985).
Butterworth et al., "Human Cytotrophoblast Populations Studied by Monoclonal Antibodies Using Single and Double Biotin-Avidin-Peroxidase Immunocytochemistry," <i>J Histochem Cytochem.</i> 33:977-983 (1985).
Cai et al., "A New TATA Box Mutation Detected at Prenatal Diagnosis for β-Thalassemia," <i>Am J Hum Genet.</i> 45:112-114 (1989).
Cai et al., "Rapid Prenatal Diagnosis of β Thalassemia Using DNA Amplification and Nonradioactive Probes," <i>Blood</i> 73:372-374 (1989).
Calin et al., "A microRNA signature Associated with prognosis and progression in chronic lymphocytic leukemia," N Engl J Med. 353:1793-1801 (2005).
"Cancer Genetics" Am. J. Hum. Genet., (1988) 43 (3):A35.
Carlson et al., "Self-Sorting of White Blood Cells in a Lattice," Phys Rev Lett. 79:2149-2152 (1997).

EXAMINER	DATE CONSIDERED	
EXAMINER: Initial citation considered. Draw line through citation if not in co	nformance and not considered. Include copy of this	

SUBSTITUTE FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE	Attorney Docket No.	50317/003002
(MODIFIED)	PATENT AND TRADEMARK OFFICE	Serial No.	10/560,662
		Applicant	Sethu et al.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Filing Date	February 15, 2007
		Group	1743
(37 C.F.R. § 1.98(b))		IDS Filed	October 11, 2007

	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)
C	chamberlain et al., "Deletion Screening of the Duchenne Muscular Dystrophy Locus via Multiplex DNA mplification," <i>Nucleic Acids Res.</i> 16:11141-11156 (1988).
	thang et al., "Biomimetic technique for adhesion-based collection and separation of cells in a microfluidic hannel," <i>Lab Chip</i> . 5:64-73 (2005).
C	theung et al., "Prenatal Diagnosis of Sickle Cell Anaemia and Thalassaemia by Analysis of Fetal Cells in laternal Blood," <i>Nat Genet</i> . 14(3):264-8 (1996).
С	thinn et al., "Reactive Ion Etching for Submicron Structures," J Vac Sci Technol. 19:1418-1422 (1981).
C	thiu et al., "Patterned Deposition of Cells and Proteins onto Surfaces by Using Three-Dimensional Microfluidic ystems," <i>Proc Natl Acad Sci USA</i> 2408-2413 (2000).
	thoolani et al., "Characterization of First Trimester Fetal Erythroblasts for Non-Invasive Prenatal Diagnosis," <i>Mollum Reprod</i> . 9:227-235 (2003).
	thou et al., "Sorting by Diffusion: An Asymmetric Obstacle Course for Continuous Molecular Separation," Proclet Acad Sci USA 96:13762-13765 (1999).
	thou et al., A Microfabricated Device for Sizing and Sorting DNA Molecules. <i>Proc Natl Acad Sci USA</i> 96:11-13 1999).
C	Christel et al. "High Aspect Ratio Silicon Microstructures for Nucleic Acid Extraction. Solid-State Sensor and Catuator Workshop, " Hilton Head, SC, June 8-11, 1998, 363-366.
C	christensen et al., "Fetal Cells in Maternal Blood: A Comparison of Methods for Cell Isolation and Identification," letal Diagn Ther. 20:106-112 (2005).
	thueh and Golbus, "Prenatal Diagnosis Using Fetal Cells from the Maternal Circulation," West J Med. 159:308- 11 (1993).
	thueh and Golbus, "Prenatal Diagnosis Using Fetal Cells in the Maternal Circulation," Semin Perinatol Med. 4:471-482 (1990).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in co	nformance and not considered. Include copy of this

SUBSTITUTE FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE	Attorney Docket No.	50317/003002
(MODIFIED)	PATENT AND TRADEMARK OFFICE	Serial No.	10/560,662
		Applicant	Sethu et al.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Filing Date	February 15, 2007
		Group	1743
(37 C.F.R. § 1.98(b))		IDS Filed	October 11, 2007

 OTHER DOCUMENTS (INCLUDING AUTHOR, ȚITLE, DATE, PLACE OF PUBLICATION)
Chueh and Golbus, "The Search for Fetal Cells in the Maternal Circulation," <i>J Perinatol</i> 19:411-420 (1991).
 Clayton et al., "Fetal Erythrocytes in the Maternal Circulation of Pregnant Women," Obstetr Gynecol. 23:915-919 (1964).
Cohen and Zuelzer, "Mechanisms of Isoimmunization II. Transplacental Passage and Postnatal Survival of Fetal Erythrocytes in Heterospecific Pregnancies," <i>Blood</i> 30:796-804 (1967).
 Covone et al., "Analysis of Peripheral Maternal Blood Samples for the Presence of Placenta-Derived Cells Using Y-Specific Probes and McAb H315," <i>Prenat Diagn</i> . 8:591-607 (1988).
Covone et al., "Trophoblast Cells in Peripheral Blood from Pregnant Women," Lancet 2(8407):841-843 (1984).
 Cremer et al., "Detection of Chromosome Aberrations in Metaphase and Interphase Tumor Cells by In Situ Hybridization Using Chromosome-Specific Library Probes," <i>Hum Genet</i> . 80:235-246 (1988).
Cremer et al., "Detection of Chromosome Aberrations in the Human Interphase Nucleus by Visualization of Specific Target DNAs with Radioactive and Non-Radioactive In Situ Hybridization Techniques: Diagnosis of Trisomy 18 with Probe L1.84," <i>Hum Genet.</i> 74:346-352 (1986).
Das et al., "Dielectrophoretic Segregation of Different Human Cell Types on Microscope Slides," <i>Anal Chem.</i> 77:2708-2719 (2005).
de Kretser et al., "The Separation of Cell Populations Using Monoclonal Antibodies Attached to Sepharose," Tissue Antigens 16:317-324 (1980).
Delamarche et al., "Microfluidic Networks for Chemical Patterning of Substrates: Design and Application to Bioassays," <i>J Am Chem Soc.</i> 120:500-508 (1998).
Delamarche et al., "Patterned Delivery of Immunoglobulins to Surfaces Using Microfluidic Networks," <i>Science</i> 276:779-781 (1997).
Deng et al., "Manipulation of Magnetic Microbeads in Suspension Using Micromagnetic Systems Fabricated with Soft Lithography," <i>Appl Phys Lett.</i> 78(12):1775-1777 (2001).

EXAMINER	DATE CONSIDERED			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.				

SUBSTITUTE FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE	Attorney Docket No.	50317/003002
(MODIFIED)	PATENT AND TRADEMARK OFFICE	Serial No.	10/560,662
W.FOD.W.F10.V.R100V.G0.V.RF		Applicant	Sethu et al.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Filing Date	February 15, 2007
		Group	1743
(37 C.F.R. § 1.98(b))		IDS Filed	October 11, 2007

_	
	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)
	Deshmukh et al., "Continuous Micromixer with Pulsatile Micropumps," Solid-State Sensor and Actuator Workshop, Hilton Head Island, South Carolina; June 4-8, 2000.
	DiLella et al., "Screening for Phenylketonuria Mutations by DNA Amplification with the Polymerase Chain Reaction," <i>Lancet</i> 1(8584):497-499 (1988).
	Douglas et al., "Trophoblast in the Circulating Blood During Pregnancy," <i>Am J Obstet Gynecol.</i> 78:960-973 (1959).
	Doyle et al., "Self-Assembled Magnetic Matrices for DNA Separation Chips," Science 295:2237 (2002).
	Duke et al., "Microfabricated sieve for the continuous sorting of macromolecules" <i>Phys Rev Lett.</i> 80:1552-1555 (1998).
	Dutta et al., "Electroosmotic Flow Control in Complex Microgeometries," J Microelectromech Syst. 11:36-44 (2002).
	Eigen et al., "Sorting Single Molecules: Application to Diagnostics and Evolutionary Biotechnology," <i>Proc Nat Acad Sci USA</i> 91:5740-5747 (1994).
	Elias, "Prenatal Blood Test Can Signal Genetic Disorders," <u>The Boston Globe</u> . 8 Oct. 1991.
	Farber et al., "Demonstration of Spontaneous XX/XY Chimerism by DNA Fingerprinting," <i>Hum Genet.</i> 82:197-198 (1989).
	Farooqui and Evans, "Microfabrication of Submicron Nozzles in Silicon Nitride," <i>J Microelectromech Syst.</i> 1(2):86-88 (1992).
	Fibach et al., "Proliferation and Maturation of Human Erythroid Progenitors in Liquid Culture," <i>Blood</i> 73:100-103 (1989).
	Fiedler et al., "Dielectrophoretic Sorting of Particles and Cells in a Microsystem," <i>Anal Chem.</i> 70:1909-1915 (1998).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in co	nformance and not considered. Include copy of this

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	50317/003002
		Serial No.	10/560,662
		Applicant	Sethu et al.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Filing Date	February 15, 2007
		Group	1743
(37 C.F.R. § 1.98(b))		IDS Filed	October 11, 2007

• •

	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)
	Forestier et al., "Hematological Values of 163 Normal Fetuses between 18 and 30 Weeks of Gestation," <i>Pediatr Res.</i> 20(4):342-346 (1986).
	Freemantle, "Downsizing Chemistry: Chemical Analysis and Synthesis on Microchips Promise a Variety of Potential Benefits," <i>Chem Eng News</i> 27-36 (1999).
,	Fu et al., "A Microfabricated Fluorescence-Activated Cell Sorter," Nat Biotechnol. 17:1109-1111 (1999).
	Fu et al., "An Integrated Microfabricated Cell Sorter," Anal Chem. 74:2451-2457 (2002).
	Fuhr et al., "Biological Application of Microstructures," <i>Top Curr Chem.</i> 194:83-116 (1997).
	Galbraith et al., "Demonstration of Transferrin Receptors on Human Placental Trophoblast," <i>Blood</i> 55:240-242 (1980).
	Gänshirt-Ahlert et al., "Magnetic Cell Sorting and the Transferrin Receptor as Potential Means of Prenatal Diagnosis from Maternal Blood," <i>Am J Obstet Gynecol</i> . 166:1350-1355 (1992).
	Gänshirt-Ahlert et al., "Noninvasive Prenatal Diagnosis: Triple Density Gradient, Magnetic Activated Cell Sorting and FISH prove to Be an Efficient and Reproducible Method for Detection of Fetal Aneuploidies from Maternal Blood," 182 Amer Soc Hum Gene; 1992.
	Gasparini et al., "First-Trimester Prenatal Diagnosis of Cystic Fibrosis Using the Polymerase Chain Reaction: Report of Eight Cases," <i>Prenat Diagn.</i> 9:349-355 (1989).
	Giddings, "Chemistry: 'Eddy' Diffusion in Chromatography," <i>Nature</i> 184(4683):357-358 (1959).
	Giddings, "Field-Flow Fractionation: Analysis of Macromolecular, Colloidal, and Particulate Materials," Science 260:1456-1465 (1993).
	Giddings, <u>Unified Separation Science</u> , New York:John Wiley & Sons, Inc., Cover Page & Table of Contents only (1991).

EXAMINER		DATE CONSIDERED
EXAMINER: Initial citation considered.	Draw line through citation if not in co	nformance and not considered. Include copy of this

SUBSTITUTE FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE	Attorney Docket No.	50317/003002
(MODIFIED)	PATENT AND TRADEMARK OFFICE	Serial No.	10/560,662
INTERPARTION PLACE COLUMN		Applicant	Sethu et al.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Filing Date	February 15, 2007
		Group	1743
(37 C.F.R. § 1.98(b))		IDS Filed	October 11, 2007

•

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)
Goldberg, "Test reveals gender early in pregnancy ethicists fear use in sex selection" The Boston Globe, June 27, 2005.
Graham, "Efficiency comparison of two preparative mechanisms for magnetic separation of erythrocytes from whole blood", <i>J Appl Phys.</i> 52:2578-2580 (1981).
Greaves et al., "Expression of the OKT Monoclonal Antibody Defined Antigenic Determinants in Malignancy," Int J Immunopharmacol. 3(3):283-299 (1981).
Guérin et al., "A New Taql BO Variant Detected with the p49 Probe on the Human Y Chromosome," <i>Nucleic Acids Res.</i> 16:7759 (1988).
Hall et al., "Isolation and Purification of CD34+ Fetal Cells from Maternal Blood," Am J Hum Genet. Supplementa to 51(4):1013 (1992). (Abstract)
Hames et al., Nucleic Acid Hybridisation: A Practical Approach, Oxford: IRL Press Limited, 190-193 (1985).
Han et al., "Separation of Long DNA Molecules in a Microfabricated Entropic Trap Array," Science 288:1026-1029 (2000).
Handyside et al., "Biopsy of Human Preimplantation Embryos and Sexing by DNA Amplification," <i>Lancet</i> . 1(8634):347-349 (1989).
Hartmann et al., "Gene expression profiling of single cells on large-scale oligonucleotide arrays," <i>Nucleic Acids Research</i> . 2006; 34(21): e143. (11 pages).
Hatch et al., "A rapid diffusion immunoassay in a T-sensor" Nat Biotechnol. 19:461-465 (2001).
Hennerbichler et al., "Detection and relocation of cord blood nucleated red blood cells by laser scanning cytometry," Cytometry 48:87-92 (2002).
Henning, "Microfluidic MEMS," Proc. IEEE Aerospace Conference 1:471-486 (1998).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw	through citation if not in conformance and not considered. Include copy of this

(37 C.F.R. § 1.98(b))		IDS Filed	October 11, 2007
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Group	1743
		Filing Date	February 15, 2007
		Applicant	Sethu et al.
(MODIFIED)	PATENT AND TRADEMARK OFFICE	Serial No.	10/560,662
SUBSTITUTE FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE	Attorney Docket No.	50317/003002

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)
Herzenberg et al., "Fetal Cells in the Blood of Pregnant Women: Detection and Enrichment by Fluorescence-Activated Cell Sorting," <i>Proc Nat Acad Sci USA</i> 76(3):1453-1455 (1979).
Holzgreve et al., "Fetal Cells in the Maternal Circulation," <i>J Reprod Med</i> . 37:410-418 (1992).
Huang et al., "Continuous Particle Separation Through Deterministic Lateral Displacement," Science 304:987-990 (2004).
Huang et al., "A DNA Prism for High-Speed Continuous Fractionation of Large DNA Molecules," <i>Nat. Biotechnol.</i> 20:1048-1051 (2002).
Huang et al., "Electric Manipulation of Bioparticles and Macromolecules on Microfabricated Electrodes," <i>Anal Chem.</i> 73(7):1549-1559 (2001).
Huang et al., "Role of Molecular Size in Ratchet Fractionation," Phys Rev Lett. 89:178301-1-4 (2002).
Huh et al., "Gravity-Driven Microhydrodynamics-Based Cell Sorter (microHYCS) for Rapid, Inexpensive, and Efficient Cell Separation and Size-Profiling," 2nd Annual International IEEE-EMBS Special Topic Conference on Microtechnologies in Medicine and Biology Poster 180:466-469 (2002).

EXAMINER	
----------	--